this part but must meet Subpart 58.60 of this subchapter.

[CGFR 68–82, 33 FR 18843, Dec. 18, 1968, as amended by CGD 73–251, 43 FR 56799, Dec. 4, 1978]

§ 56.01–2 Incorporation by reference.

(a) Certain standards and specifications are incorporated by reference into this part with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than the one listed in paragraph (b) of this section, notice of the change must be published in the FEDERAL REGISTER and the material made available to the public. All approved material is available from the sources indicated in paragraph (b) or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: *http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.*

(b) The standards and specifications approved for incorporation by reference in this part, and the sections affected are:

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

11 West 42nd Street, New York, NY 10036

ANSI B1.1–82 Unified Inch Screw Threads (UN and UNR Thread Form) 56.60–1; 56.25–20
ANSI B1.20.1–83 Pipe Threads, General Purpose (Inch) 56.60–1
ANSI B1.20.3–76 (reaffirmed 1982) Dryseal Pipe Threads (Inch) 56.60–1
ANSI B16.1–75 Cast Iron Flanges and Flanged Fittings, Class 25, 125, 250 and 800 .....56.60–1; 56.60–10
ANSI B16.3–85 Malleable Iron Threaded Fittings, Classes 150 and 300 .....56.60–1
ANSI B16.4–85 Cast Iron Threaded Fittings, Classes 125 and 250 .....56.60–1
ANSI B16.5–81 Pipe Flanges and Flanged Fittings ...56.25–20; 56.30–10; 56.60–1
ANSI B16.9–86 Factory-Made Wrought Steel Buttwelding Fittings.....56.60–1
ANSI B16.10–86 Face-to-Face and End-to-End Dimensions of Ferrous Valves 56.60–1
ANSI B16.11–80 Forged Steel Fittings, Socket-Welding and Threaded 56.30–5; 56.60–1
ANSI B16.14–83 Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads 56.60–1
ANSI B16.15–85 Cast Bronze Threaded Fittings, Classes 125 and 250 .....56.60–1
ANSI B16.18–84 Cast Copper Alloy Solder Joint Pressure Fittings 56.60–1
ANSI B16.20–73 Ring-Joint Gaskets and Grooves for Steel Pipe Flanges VIII, Division 1, Pressure Vessels, 1986 with addenda 56.15–1; 56.15–5; 56.15–10; 56.25–5; 56.30–10; 56.30–30; 56.60–15; 56.60–1; 56.95–10
Section IX, Welding and Brazing Qualifications, 1986 with addenda 56.70–5; 56.70–20; 56.75–20; 56.0–1
ANSI B16.24–79 Bronze Pipe Flanges and Flanged Fittings, Class 150 and 300 .....56.60–1
ANSI B16.25–86 Buttwelding Ends 56.60–1; 56.30–5; 56.70–10
ANSI B16.28–86 Wrought Steel Buttwelding Short Radius Elbows and Returns 56.60–1
ANSI B16.29–86 Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings—DWV.....56.60–1
ANSI B16.34–88 Valves-Flanged, Threaded and Welding End...56.20–1; 56.60–1
ANSI B16.42–87 Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300 .....56.60–1
ANSI B18.2.1–81 Square and Hex Bolts and Screws, Inch Series.....56.25–20; 56.60–1
ANSI B18.2.2–87 Square and Hex Nuts 56.25–20; 56.60–1
ANSI B31.1–86 Power Piping 56.01–5
ANSI B36.10M–85 Welded and Seamless Wrought Steel Pipe 56.07–5; 56.30–20; 56.60–1
ANSI B36.19M–85 Stainless Steel Pipe 56.07–5; 56.60–1

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) INTERNATIONAL

Three Park Avenue, New York, NY 10016–5990

Boiler and Pressure Vessel Code:

Section I, Power Boilers, 1986 with addenda56.15–5; 56.15–10; 56.60–1; 56.60–1; 56.70–15; 56.95–10 56.15–1
Section VIII, Division 1, Pressure Vessels, 1986 with addenda ...56.15–1; 56.15–5; 56.15–10; 56.25–5; 56.30–10; 56.30–30; 56.60–15; 56.60–1; 56.95–10
Section IX, Welding and Brazing Qualifications, 1986 with addenda 56.70–5; 56.70–20; 56.75–20; 56.85–10

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

100 Barr Harbor Drive, West Conshohocken, PA 19428–2959.

ASTM A 36/A 36M–97a, Standard Specification for Carbon Structural Steel 56.30–10

SP–53–85 Quality Standard for Steel Castings and Forgings for Valves, Flanges and Fittings and Other Piping Components—Magnetic Particle Examination Method 56.60–1
SP–55–85 Quality Standard for Steel Castings for Valves, Flanges and Fittings and Other Piping Components—Visual Method.....56.60–1
SP–58–83 Pipe Hangers and Supports—Materials, Design and Manufacture.....56.60–1
SP–61–85 Pressure Testing of Steel Valves.....56.60–1
SP–67–83 Butterfly Valves.....56.60–1
SP–69–83 Pipe Hangers and Supports—Selection and Application 56.60–1
SP–72–87 Ball Valves with Flanged or Butt-Welding Ends for General Service.....56.60–1
SP–73–86 Brazing Joints for Wrought and Cast Copper Alloy Solder Joint Pressure Fittings 56.60–1
SP–83–87 Steel Pipe Unions, Socket-Welding and Threaded 56.60–1

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

400 Commonwealth Drive, Warrendale, Pa 15096

J1475–84 Hydraulic Hose Fittings for Marine Applications.....56.60–25
J1942–89 Hose and Hose Assemblies for Marine Applications.....56.60–25

[CGD 77–140, 54 FR 40599, Oct. 2, 1989; 55 FR 39968, Oct. 1, 1990, as amended by CGD 88–032, 56 FR 35822, July 29, 1991; CGD 95–012, 60 FR 48049, Sept. 18, 1995; CGD 95–027, 61 FR 26000, May 23, 1996; CGD 96–041, 61 FR 50728, Sept. 27, 1996; CGD 97–057, 62 FR 51044, Sept. 30, 1997; CGD 95–028, 62 FR 51200, Sept. 30, 1997; USCG–1999–6216, 64 FR 53224, Oct. 1, 1999; USCG–1999–5151, 64 FR 67178, Dec. 1, 1999; USCG–2004–18884, 69 FR 58346, Sept. 30, 2004]

§ 56.01–3 Power boiler external piping (Replaces 100.1.1, 100.1.2, 111.6, 122.1, 132 and 133).

(a) Power boiler external piping and components must meet the requirements of this part and §§ 52.01–105, 52.01–110, 52.01–115, and 52.01–120 of this chapter.

(b) Specific requirements for power boiler external piping and appurtenances, as defined in §§ 100.1.1 and 100.1.2, appearing in the various paragraphs of ANSI B31.1, are not adopted unless specifically indicated elsewhere in this part.

[CGD 77–140, 54 FR 40602, Oct. 2, 1989; 55 FR 39968, Oct. 1, 1990]

§ 56.01–5 Adoption of ANSI (American National Standards Institute) Code B31.1 for pressure and power piping, and other standards.

(a) Piping systems for ships and barges shall be designed, constructed, and inspected in accordance with B31.1, the ''Code for Pressure Piping, Power Piping,'' of the ANSI (American National Standards Institute), as limited, modified, or replaced by specific requirements in this part. The provisions in the appendices to ANSI-B31.1 are adopted and shall be followed when the requirements in ANSI-B31.1 or the regulations in this part make them mandatory. For general information Table 56.01–5(a) lists the various paragraphs, etc., in ANSI-B31.1 which are limited, modified, replaced, or reproduced by regulations in this part.

TABLE 56.01–5(A)—LIMITATIONS AND MODIFICATIONS IN THE ADOPTION OF ANSI-B31.1 CODE FOR PRESSURE AND POWER PIPING

Section or paragraph in ANSI-B31.1, and disposition	Unit in this part
100.1 replaced by	56.01–1.
100.2 modified by	56.07–5.
101 through 104.7 modified by	56.07–10.
101.2 modified by	56.07–10(a), (b).
101.5 replaced by	56.07–10(c).
102.2 modified by	56.07–10(d).
102.2.5(d) replaced by	56.50–40.
102.3 and 104.1.2 modified by	56.07–10(e).
104.3 modified by	56.07–10(f).
104.4 modified by	56.07–10(e).
104.5.1 modified by	56.30–10.
105 through 108 replaced by	56.10–1 through 56.25–20.
110 through 118 replaced by	56.30–1 through 56.30–35.
119.5.1 replaced by	56.35–10, 56.35–15, 56.35–35.
119.7 replaced by	56.35–1.
122.3 modified by	56.50–97.
122.6 through 122.10 replaced by	56.50–1 through 56.50–80.
123 replaced by	56.60–1.
Table 126.1 is replaced by	56.30–5(c)(3), 56.60–1.
127 through 135.4 replaced by	56.65–1, 56.70–1 through 56.90–10.
136 replaced by	56.95–1 through 56.95–10.
137 replaced by	56.97–1 through 56.97–40.

(b) When a section or paragraph of the regulations in this part relates to material in ANSI-B31.1 Code (American National Standard Code for Pressure Piping, Power Piping), the relationship with this code will be shown immediately following the heading of the